

SEQUENCE LISTING

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<120> Methods and Compositions for Treating Abnormal Cell
Growth Related to Unwanted Guanine Nucleotide Exchange
Factor Activity

<130> 1028-US

<140> 09/079,812

<141> 1998-05-15

<150> 60/049,879

<151> 1997-06-17

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<170> PatentIn Ver. 2.0

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Arg Arg Lys Ser Ala Ser Asp Gln Trp Asn Thr Asp Asn Glu Pro Ala

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Lys Val Lys Pro Glu Leu Leu Pro Glu Lys Glu Thr Ser Gln Ala

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 Ala Arg Asp Asn Pro Glu Arg Asn Ala Ser Cys Leu Ala Asp Ser Gln
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 Asp Asn Gly Lys Ser Val Asn Glu Pro Leu Thr Leu Asn Ile Pro Trp
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agc aga atg cct cct tgc aga aca gca atg cag aca gac cca gga gcc 447
 Ser Arg Met Pro Pro Cys Arg Thr Ala Met Gln Thr Asp Pro Gly Ala
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 Gln Glu Met Ser Glu Ser Ser Ser Thr Pro Gly Asn Gly Ala Thr Pro
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 Gln Glu Ile Glu Thr Arg Arg Gln Gln Asp Ala Glu Ile Glu Asp Asn
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acc aat ggg tcc ccg gcc agt gag gac acc ccg gag gag gaa gaa gaa 735
 Thr Asn Gly Ser Pro Ala Ser Glu Asp Thr Pro Glu Glu Glu Glu Glu
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 Arg Thr Lys Lys Leu Phe His Glu Ile Tyr Leu Phe Leu Phe Asn Asp
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 Val Ser Phe Thr Ser Arg Leu Leu Asp Cys Pro Gln Val Gln Cys Val
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 His Pro Tyr Val Ala Gln Gln Pro Asp Glu Leu Thr Leu Glu Leu Ala
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 Gln Asp Lys Glu Pro His Cys His Ile Pro Ile Lys Arg Asn Ser Ile
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 Phe Asn Arg Ser Ile Arg Arg Lys Ser Lys Ala Lys Ala Arg Asp Asn
 65 70 75 80
 Pro Glu Arg Asn Ala Ser Cys Leu Ala Asp Ser Gln Asp Asn Gly Lys
 85 90 95
 Ser Val Asn Glu Pro Leu Thr Leu Asn Ile Pro Trp Ser Arg Met Pro
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 Pro Cys Arg Thr Ala Met Gln Thr Asp Pro Gly Ala Gln Glu Met Ser
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 Ala Leu Ala Asp Ser Pro Thr Thr Leu Thr Glu Ala Leu Arg Met Ile
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Pro Ala Ser Glu Asp Thr Pro Glu Glu Glu Glu Glu Glu Glu Glu
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Tyr Lys Ser Leu Asn Leu Leu Val Ser His Phe Met Glu Asn Glu Arg
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Ile Arg Lys Ile Leu His Pro Ser Glu Ala His Ile Leu Phe Ser Asn
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Val Leu Asp Val Leu Ala Val Ser Glu Arg Phe Leu Leu Glu Leu Glu
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His Arg Met Glu Glu Asn Ile Val Ile Ser Asp Val Cys Asp Ile Val
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Tyr Arg Tyr Ala Ala Asp His Phe Ser Val Tyr Ile Thr Tyr Val Ser
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Ala Ala Phe Arg Glu Leu Ile Ala Gln Leu Glu Leu Asp Pro Lys Cys
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Thr Arg Leu Lys Leu Leu Val Gln Asn Ile Leu Lys Arg Val Glu Glu
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Arg Ser Glu Arg Glu Cys Thr Ala Leu Asp Ala His Lys Glu Leu Glu
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Cys Arg Gln Ile Pro Gly Asp Lys Tyr Gln Val Phe Asp Ser Ala Pro
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Ala Thr Tyr Met Leu Lys Ala Ser Ser Gln Ser Glu Met Lys Arg Trp
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Ala Gln Gln Pro Asp Glu Leu Thr Leu Glu Leu Ala Asp Ile Leu Asn
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Ile Leu Asp Lys Thr Asp Asp Gly Trp Ile Phe Gly Glu Arg Leu His
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Asn Pro Lys Ile Arg Ser Gln Asn Leu Lys Glu Cys Phe Arg Val His
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10

15

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Arg Gly Pro Arg Pro Gly Pro Ser Thr Arg Pro Ala Ala Asp Pro Met

20

25

30

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Glu Leu Leu Ala Ala Ala Phe Ser Ala Ala Cys Ala Val Asp His Asp

35

40

45

agt tcc acc tcg gaa agc gac gcg cgc gac tcg gcg gcg gga cac ctg 192

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Pro Gly

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